

DT06 Rec'd PCT/PTO 28 OCT 2002

PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PCT/PTO

## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

42

Application Number

PCT/US00/16722

Filing Date

June 16, 2000

First Named Inventor

Petersdorf, Effie W.

Group Art Unit

Not yet assigned

Examiner Name

Not yet assigned

Attorney Docket Number

14538A-005210US

## ENCLOSURES (check all that apply)

|   |   |   |
|---|---|---|
| <input checked="" type="checkbox"/> Fee Transmittal Form                                | <input type="checkbox"/> Assignment Papers<br>(for an Application)                      | <input type="checkbox"/> After Allowance Communication to Group                               |
| <input type="checkbox"/> Fee Attached   | <input type="checkbox"/> Drawing(s)   | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences           |
| <input type="checkbox"/> Amendment / Reply  | <input type="checkbox"/> Licensing-related Papers                                       | <input type="checkbox"/> Appeal Communication to Group<br>(Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final  | <input type="checkbox"/> Petition   | <input type="checkbox"/> Proprietary Information  |
| <input type="checkbox"/> Affidavits/declaration(s)                                      | <input type="checkbox"/> Petition to Convert to a Provisional Application               | <input type="checkbox"/> Status Letter  |
| <input checked="" type="checkbox"/> Extension of Time Request                           | <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address | <input checked="" type="checkbox"/> Other Enclosure(s)<br>(please identify below):            |
| <input type="checkbox"/> Express Abandonment Request                                    | <input type="checkbox"/> Terminal Disclaimer:   | Return Postcard   |
| <input type="checkbox"/> Information Disclosure Statement                               | <input type="checkbox"/> Request for Refund   | Copy of Notice to be returned   |
| <input type="checkbox"/> Certified Copy of Priority Document(s)                         | <input type="checkbox"/> CD, Number of CD(s)  | Communication and Preliminary Amendment   |
| <input type="checkbox"/> Response to Missing Parts/ Incomplete Application              |   | Sequence Listing (computer readable copy and paper copy)                                      |
| <input checked="" type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 |   | Declarations  |
| Remarks   |   | The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.      |

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

|                          |  |  |
|--------------------------|--|--|
| Firm and Individual name | Townsend and Townsend and Crew LLP<br>William B. Kezer |  |
| Signature                |  |  |
| Date                     | 10-21-02   |  |

## CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on this date:

10/21/02

|                       |                    |          |
|-----------------------|--------------------|----------|
| Typed or printed name | Jennifer K. Hardin |          |
| Signature             |                    |          |
|                       | Date               | 10/21/02 |

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 1,415)

## METHOD OF PAYMENT (check all that apply)

Check  Credit Card  MoneyOrder  Other  None  
 Deposit Account:

Deposit Account Number

20-1430

Deposit Account Name

Townsend and Townsend and Crew LLP

The Commissioner is authorized to: (check all that apply)

- Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) during the pendency of this application  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity Small Entity

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description        | Fee Paid |
|----------|----------|----------|----------|------------------------|----------|
| 101      | 740      | 201      | 370      | Utility filing fee     | 370      |
| 106      | 330      | 206      | 165      | Design filing fee      |          |
| 107      | 510      | 207      | 255      | Plant filing fee       |          |
| 108      | 740      | 208      | 370      | Reissue filing fee     |          |
| 114      | 160      | 214      | 80       | Provisional filing fee |          |

SUBTOTAL (1) (\$740)

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| Total Claims           | -20** =   | Extra Claims | Fees from below | Fee Paid |
|------------------------|-----------|--------------|-----------------|----------|
| 20                     | -20** =   | 0            | X\$18           | \$0      |
| INDEPENDENT CLAIMS 100 | 100-20=80 | 100          | X\$18           | \$0      |

11/01/2002

02 FC:2617

Multiple Dependent 65.00 CH

Large Entity Small Entity

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description  |
|----------|----------|----------|----------|--|
| 103      | 18       | 203      | 9        | Claims in excess of 20                                     |
| 102      | 84       | 202      | 42       | Independent claims in excess of 3                          |
| 104      | 280      | 204      | 140      | Multiple dependent claim, if not paid                      |
| 109      | 84       | 209      | 42       | ** Reissue independent claims over original patent         |
| 110      | 18       | 210      | 9        | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$0)

\*\*or number previously paid, if greater. For Reissues, see above

## Complete if Known

|                      |                      |
|----------------------|----------------------|
| Application Number   | PCT/US00/16722       |
| Filing Date          | June 16, 2000        |
| First Named Inventor | Petersdorf, Effie W. |
| Examiner Name        | Not yet assigned     |
| Group Art Unit       | Not yet assigned     |
| Attorney Docket No.  | 14538A-005210US      |

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

| Large Entity              | Small Entity | Fee Description | Fee Paid |
|---------------------------|--------------|-----------------|----------|
| Fee Code                  | Fee (\$)     | Fee Code        | Fee (\$) |
| 105                       | 130          | 205             | 65       |
| 127                       | 50           | 227             | 25       |
| 139                       | 130          | 139             | 130      |
| 147                       | 2,520        | 147             | 2,520    |
| 112                       | 920*         | 112             | 920*     |
| 113                       | 1,840*       | 113             | 1,840*   |
| 115                       | 110          | 215             | 55       |
| 116                       | 400          | 216             | 200      |
| 117                       | 920          | 217             | 460      |
| 118                       | 1,440        | 218             | 720      |
| 128                       | 1,960        | 228             | 980      |
| 119                       | 320          | 219             | 160      |
| 120                       | 320          | 220             | 160      |
| 121                       | 280          | 221             | 140      |
| 138                       | 1,510        | 138             | 1,510    |
| 140                       | 110          | 240             | 55       |
| 141                       | 1,280        | 241             | 640      |
| 142                       | 1,280        | 242             | 640      |
| 143                       | 460          | 243             | 230      |
| 144                       | 620          | 244             | 310      |
| 122                       | 130          | 122             | 130      |
| 123                       | 50           | 123             | 50       |
| 126                       | 180          | 126             | 180      |
| 581                       | 40           | 581             | 40       |
| 146                       | 740          | 246             | 370      |
| 149                       | 740          | 249             | 370      |
| 179                       | 740          | 279             | 370      |
| 169                       | 900          | 169             | 900      |
| Other fee (specify) _____ |              |                 |          |

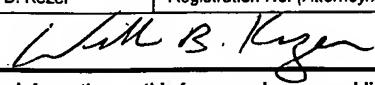
\*Reduced by Basic Filing Fee Paid SUBTOTAL (3)

(\$1045)

## SUBMITTED BY

## Complete (if applicable)

Name (Print/Type) William B. Kezer Registration No. (Attorney/Agent) 37,369 Telephone 925-472-5000

Signature 

Date 10-21-02

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231. WC 9048441 v1



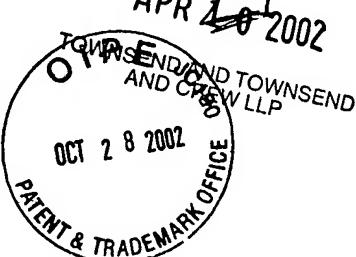
## UNITED STATES PATENT AND TRADEMARK OFFICE

14538A-005210US WBK

Commissioner for Patents, Box PCT  
 United States Patent and Trademark Office  
 Washington, D.C. 20231  
[www.uspto.gov](http://www.uspto.gov)

| U.S. APPLICATION NUMBER NO. | FIRST NAMED APPLICANT | ATTY. DOCKET NO. |
|-----------------------------|-----------------------|------------------|
| 10/018,112                  | EFFIE W. PETERSDORF   | 14538A-005210    |

William B Kezer  
 Townsend and Townsend and Crew  
 2 Embarcadero Center  
 8th Floor  
 San Francisco, CA 94111



**Response Due** 5/22/02 **MSM**

Date Mailed: 03/22/2002

INTERNATIONAL APPLICATION NO.

PCT/US00/16722

I.A. FILING DATE

06/16/2000

PRIORITY DATE

06/17/1999

**CONFIRMATION NO. 1480**  
**371 FORMALITIES LETTER**



\*OC000000007701872\*

### NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as an Elected Office (37 CFR 1.495):

- U.S. Basic National Fees
- Priority Document
- Biochemical Sequence Listing
- Copy of IPE Report
- Copy of the International Application
- Copy of the International Search Report
- Request for Immediate Examination

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTH FROM THE DATE OF THIS NOTICE OR BY 22 or 32 MONTHS (where 37 CFR 1.495 applies) FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

The following items **MUST** be furnished within the period set forth below:

- The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s):

- A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 CFR 1.821(e).
- A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing."
- **APPLICANT MUST PROVIDE:**
  - An initial or substitute computer readable form (CRF) of the "Sequence Listing."
  - An initial or substitute paper copy or compact disc of the "Sequence Listing," as well as an amendment directing its entry into the specification.
  - A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b) or 1.825(d).
- For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:
  - For Rules Interpretation, call (703) 308-4216
  - To Purchase PatentIn Software, call (703) 306-2600
  - For PatentIn Software Program Help, call (703) 306-4119 or e-mail at patin21help@uspto.gov or patin3help@uspto.gov
- A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 CFR 1.821(e).
- A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing."

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

FRANCINE YOUNG

---

Telephone: (703) 305-3662

**PART 1 - ATTORNEY/APPLICANT COPY**

---

| U.S. APPLICATION NUMBER NO. | INTERNATIONAL APPLICATION NO. | ATTY. DOCKET NO. |
|-----------------------------|-------------------------------|------------------|
| 10/018,112                  | PCT/US00/16722                | 14538A-005210    |

Rec'd PCT/PTO 28 OCT 2002

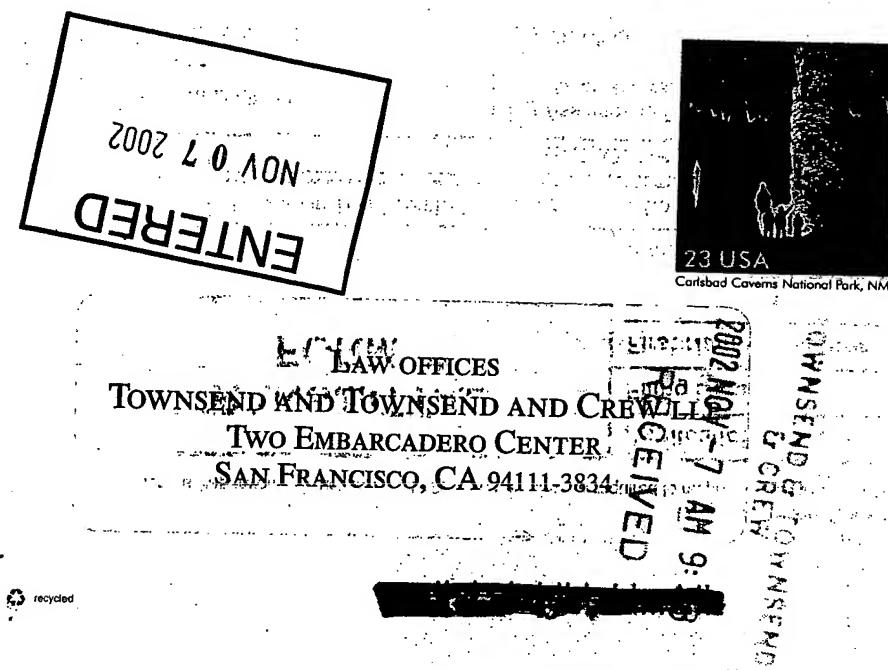
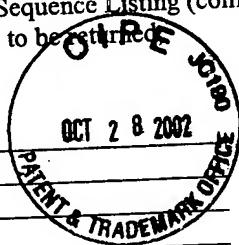
BOX PCT

TO THE U.S. PATENT AND TRADEMARK OFFICE  
Please stamp the date of receipt of the following document(s) and return this card to us

RE: PETERSDORF ET AL.

TITLE OF DOCUMENT(S): Fee Transmittal, Petition to Extend Tim (+ copy),  
Transmittal, Communication and Preliminary Amendment, Sequence Listing (computer  
readable copy and paper copy), Declaration, Copy of Notice to be returned

Application No.: PCT/US00/16722  
File No. 14538A-005210US  
Date Due 10/22/02  
Date Mailed: 10/21/02  
Atty/Secty. WBK/kh



© USPS 2002 recycled

Best Available Copy

TOWNSEND & TOWNSEND & CREW LLP  
2 EMBARCADERO CTR, SAN FRANCISCO, CA 94111

SEQUENCE LISTING

OLIGONUCLEOTIDE ARRAYS FOR  
HIGH RESOLUTION HLA TYPING

Appl.: PETERSDORF et al.

Atty Docket No.: 14538A-005210US

Serial No.: 10/018,112

Filing Date: Not yet assigned

-52-1.APP: October 17, 2002

PTO COPY      ASCII/DOS